

Notice of Allowability

Application No.

10/632,510

Examiner

Livius R. Cazan

Applicant(s)

WORDEN ET AL.

Art Unit

3729

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the interview on 11/10/05.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 11/10/03 & 1/9/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other Attachment.


PETER VO
SUPERVISOR, PATENT EXAMINER
TECHNOLOGY CENTER 3700

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Douglas Fekete on 11/10/2005.

The application has been amended as follows:

Claims:

Claim 1:

- in line 8, inserted –a first portion, a second portion,– after “includes”
- in line 8, inserted –within said first portion– between “cavity” and “for”
- in line 9, inserted –inserted into said second portion– between “core” and “, and”
- in line 10, inserted –within said first portion– after “moveable plate”
- in line 13, removed “mold,” replaced with –ejector half–
- in line 14, inserted –partially– between “to” and “encapsulate”
- in line 18, inserted –up or down– between “traveling” and “within”
- in line 18, removed “mold fixture,” replaced with –ejector half–
- in line 20, removed “wherein,” replaced with –such that–
- in line 21, removed “exposed,” replaced it with –not covered in unitizing material after molding–

Claim 11:

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- between lines 6 and 7, inserted –performing the process of claim 1 to obtain an over molded motor stator structure, and–
- in line 7, removed “an,” replaced with –said–
- in line 8, removed “in accordance with the process of Claim 1”

For clarity, the claims (as amended by the examiner) have been included as an attachment.

2. The following is an examiner’s statement of reasons for allowance:

a. The prior art does not teach (in combination with all other claim limitations) a process for preparing an over molded stator structure which includes the use of a moveable plate within a mold fixture, the moveable plate traveling up or down within the ejector half of the mold fixture so as to allow a unitizing material to only fill selected areas and achieve an over molded motor stator structure such that the internal diameter and the external diameter of the stator laminations is not covered in unitizing material after molding.

b. The prior art does not teach (in combination with all other claim limitations) a process for preparing an over molded motor comprising constructing a rotor assembly on a rotor shaft, said rotor assembly being adapted for support by bearings located near end portions of said rotor shaft, and rotatably disposing said rotor assembly into an over molded motor stator structure by inserting said rotor assembly into the central bore of said over molded motor stator structure,

and such that the process of part a is used as a step of the current process to create said over molded motor stator.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Livius R. Cazan whose telephone number is (571) 272-8032. The examiner can normally be reached on 7:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on (571)272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LRC 11/10/05



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